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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants Perez et al. Examiner: Unassigned
Serial No.: 10/577,000 Group Art Unit: 1653
Confirmation No: 5827 Docket: 976-31 PCT/US
Filed: April 21, 2006 Dated: August 6, 2007
For: Method of antigen incorporation into Neisseria bacterial outer membrane vesicles and resulting vaccine formulations

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

I hereby certify this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to:
Commissioner for Patents, P.O. Box 1450,
Alexandria, Virginia 22313-1450
on August 6, 2007

Signed: Rachel J. Zollinger

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R. §1.56, Applicants submit herewith the following Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

UNITED STATES PATENT PUBLICATIONS

<u>PATENTEE</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
Zollinger et al.	2003/0059444	3/27/2003

FOREIGN PATENT DOCUMENTS

<u>COUNTRY</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
WO	WO 03/051379	6/26/2003
EP	EP 1 297 844 A2	4/2/2003
WO	WO 01/91788	12/6/2001
WO	WO 01/09350	2/8/2001
WO	WO 00/66791	11/9/2000

NON PATENT PUBLICATIONS

1. DATABASE UniProt ‘Online! “Putative periplasmic protein” October 1, 2000, XP002331525, retrieved from EBI accession no. UNIPROT: Q9JQZ2, Database accession no. Q9JQZ2.
2. DATABASE EMBL ‘Online! “Neisseria meningitidis serogroup A strain Z2491 complete genome; segment 4/7” March 30, 2000, XP002331526, retrieved from EBI accession no. EM PRO: NMA4Z2491.
3. DATABASE UniProt ‘Online! “Hypothetical protein NMB1125 (Hypothetical protein NMB1163)” XP002331527, retrieved from EBI accession no. UNIPROT:Q7DDH5.
4. Sardinas, G. et al., “Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k”, *Biochemical and Biophysical Research Communications* 277, pp. 51-54, August 2000.

5. Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" *Infection and Immunity*, Vol. 67, No. 1, pp. 113-119, Jan. 1999.
6. Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", *Infection and Immunity*, Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
7. Alvarez, G. et al. "Cloning and Expression of the porA Gene of the Neisseria meningitidis...", *Acta Biotechnol* 16, 2-3, 165-173, 1996.
8. Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", *FEMA Immunology and Medical Microbiology*, 40, pp. 193-199, 2004.
9. Hermida, L. et al., "A dengue-2 Envelope fragment inserted within the structure of the P64k meningococcal protein carrier enables..." *Journal of Virological Methods*, 115, pp. 41-49, 2004.

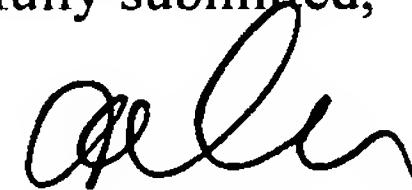
**Information Disclosure Statement
Docket No. 976-31 PCT/US**

Copies of the references set forth above are enclosed herewith and a separate listing of the same has been set forth on the attached Form PTO-1449. The Examiner is respectfully requested to consider these references, and to indicate that he or she has done so by initialing the enclosed Form PTO-1449.

This Statement is being filed before the mailing of a first Office Action on the merits. Applicant believes that no fee for this submission is due. If, however, a fee is due for entry of this Information Disclosure Statement, the Office is authorized to charge Deposit Account No. 08-2461 for any such fee.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' representative at the telephone number set forth below.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 976-31 PCT/US	SERIAL NO. 10/577,000
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Perez et al.	CONFIRMATION NO. 5827
(Use several sheets if necessary)		FILING DATE April 21, 2006	GROUP 1653

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		2003/0059444	3/27/2003	Zollinger et al.			Nov. 15, 1996

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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							YES	NO
		WO 03/051379	6/26/2003	WO				
		EP 1 297 844 A2	4/2/2003	EP				
		WO 01/91788	12/6/2001	WO				
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		WO 00/66791	11/9/2000	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

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			Sardinas, G. et al., "Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k", <i>Biochemical and Biophysical Research Communications</i> 277, pp. 51-54, August 2000.
			Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" <i>Infection and Immunity</i> , Vol. 67, No. 1, pp. 113-119, Jan. 1999.
			Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", <i>Infection and Immunity</i> , Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
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			Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", <i>FEMA Immunology and Medical Microbiology</i> , 40, pp. 193-199, 2004.
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